

Table 6.0-1
Environmental Impact Comparison between the Proposed Land Use Diagram and Alternatives AA, AB, and AC

| Impacts | Proposed Land Use Diagram (PP) | | Existing Martis Valley General Plan Land Use Map (AA) | | Alternative 1 Land Use Map (AB) | | Alternative 2 Land Use Map (AC) | |
|--|--------------------------------|--------------|---|--------------|---------------------------------|--------------|---------------------------------|--------------|
| | Significance | Significance | Comparison to Project | Significance | Comparison to Project | Significance | Comparison to Project | Significance |
| Impact 4.1.1 Consistency with Relevant Land Use Planning Documents | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.1.2 Land Use Conflicts | SU | SU | = | SU | < | SU | < | |
| Impact 4.1.3 Loss of Forest and Timber Lands | SU | SU | = | SU | < | SU | < | |
| Impact 4.1.4 Consistency with Relevant Planning Documents | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.1.5 Cumulative Land Use Conflicts | SU | SU | = | SU | < | SU | < | |
| Impact 4.1.6 Cumulative Loss of Timber/Forest Resources | SU | SU | = | SU | < | SU | < | |
| Impact 4.2.1 Holding Capacity | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.2.2 Housing | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.2.3 Cumulative Housing Impacts | CSUM | CSUM | = | CSUM | = | CSUM | = | |
| Impact 4.3.1 Abandoned Mines and Tailings | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.3.2 Hazardous Materials Contamination | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.3.3 Airport Operations | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.3.4 Radon Exposure | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.3.5 Cumulative Hazard Impacts | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.1 Potential to Exceed an Established LOS Standard | SU | SU | > | SU | > | SU | < | |
| Impact 4.4.2 Traffic Impacts to Local Residential Roadways | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.4.3 Potential Hazards Because of Design | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.4 Inadequate Parking Capacity | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.5 Conflicts With Transit | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.6 Conflicts with Pedestrian and Bicycle Uses | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.7 Cumulative Impacts to Area Intersections & Roads | CSU | CSU | > | CSU | > | CSU | < | |
| Impact 4.4.8 Cumulative Impacts to Regional Highway Facilities | CSU | CSU | > | CSU | > | CSU | < | |
| Impact 4.4.9 Cumulative Roadway Hazards | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.4.10 Cumulative Conflicts with Transit, Ped and Bike | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.5.1 Construction Noise Impacts | SU | SU | = | SU | = | SU | = | |
| Impact 4.5.2 Transportation Noise Impacts | SU | SU | > | SU | > | SU | < | |
| Impact 4.5.3 Future Stationary Noise Impacts | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.5.4 Truckee-Tahoe Airport Noise Impacts | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.5.5 Cumulative Traffic Noise Impacts | CSU | CSU | > | CSU | > | CSU | < | |
| Impact 4.6.1 Construction Air Quality Impacts | SU | SU | > | SU | < | SU | < | |
| Impact 4.6.2 Local Carbon Monoxide Concentration Impacts | LTS | LTS | > | LTS | > | LTS | > | |
| Impact 4.6.3 Regional Ozone Precursor Emissions | SU | SU | > | SU | > | SU | > | |
| Impact 4.6.4 Regional PM10 Emissions | SU | SU | > | SU | > | SU | > | |
| Impact 4.6.5 Cumulative Air Quality Impacts | CSU | CSU | > | CSU | > | CSU | > | |
| Impact 4.7.1 Construction Water Quality Impacts | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.7.2 Operational Surface Water Quality Impacts | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.7.3 Groundwater Quality Impacts | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.7.4 Groundwater Recharge Areas Impacts | LTS | LTS | > | LTS | < | LTS | < | |
| Impact 4.7.5 Increased Groundwater Usage Impacts | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.7.6 Flood Hazard Impacts | LTS | LTS | > | LTS | < | LTS | < | |
| Impact 4.7.7 Cumulative Water Quality Impacts | CSUM | CSUM | > | CSUM | < | CSUM | < | |
| Impact 4.7.8 Cumulative Groundwater Recharge Area Impacts | LTS | LTS | > | LTS | < | LTS | < | |
| Impact 4.7.9 Cumulative Groundwater Usage Impacts | CSUM | CSUM | > | CSUM | > | CSUM | < | |
| Impact 4.7.10 Cumulative Flood Hazards | LTS | LTS | > | LTS | < | LTS | < | |
| Impact 4.8.1 Geologic Stability and Suitability | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.8.2 Seismic Hazards | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.8.3 Soil Erosion | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.8.4 Avalanche Hazards | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.8.5 Cumulative Geologic Impacts | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.9.1 Disturbance to Common Plant Communities | LTS | LTS | > | LTS | < | LTS | < | |
| Impact 4.9.2 Disturbance to Common Wildlife | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.9.3 Potential Disturbance to Special-Status Plant | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.9.4 Mountain Yellow-Legged Frog | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.9.5 Lahontan Cutthroat Trout | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.9.6 Nesting Raptors and Other Migratory Birds | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.9.7 Potential Disturbance to Special-Status Bats | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.9.8 Special-Status Mammals | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.9.9 Disturbance to Riparian Habitat | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.9.10 Loss of Wetland Areas | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.9.11 Disturbance to Wildlife Movement | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.9.12 Cumulative Biological Resource Impacts | CSU | CSU | > | CSU | < | CSU | < | |
| Impact 4.10.1 Impacts to Prehistoric and Historic Resources | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.10.2 Paleontological Resource Impacts | SUM | SUM | > | SUM | < | SUM | < | |
| Impact 4.10.3 Cumulative Prehistoric and Historic Resources | CSUM | CSUM | > | CSUM | < | CSUM | < | |
| Impact 4.10.4 Cumulative Paleontological Resource Impacts | CSUM | CSUM | > | CSUM | < | CSUM | < | |
| Impact 4.11.1.1 Fire Protection and Emergency Medical Services | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.11.1.2 Wildland Fire Hazards | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.1.3 Cumulative Fire Protection | CSUM | CSUM | > | CSUM | > | CSUM | < | |
| Impact 4.11.1.4 Cumulative Wildland Fire Hazard | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.2.1 Law Enforcement Services | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.2.2 Cumulative Law Enforcement Services | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.3.1 Impacts on School Services | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.3.2 Cumulative Impacts on School Services | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.4.1 Water Facilities and Distribution Systems | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.11.4.2 Cumulative Water Facilities and Distribution | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.5.1 Wastewater Service | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.5.2 Cumulative Wastewater Service | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.6.1 Solid Waste Disposal | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.6.2 Cumulative Solid Waste Disposal | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.7.1 Availability of Electrical Energy | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.7.2 Increased Demand for Natural Gas | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.7.3 Extension of Utilities | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.11.7.4 Cumulative Availability of Electrical Energy | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.7.5 Cumulative Demand for Natural Gas | LTS | LTS | > | LTS | > | LTS | < | |
| Impact 4.11.8.1 Park and Recreation | SUM | SUM | > | SUM | > | SUM | < | |
| Impact 4.11.8.2 Cumulative Park and Recreation Impacts | CSUM | CSUM | > | CSUM | > | CSUM | < | |
| Impact 4.11.9.1 Road Maintenance and Snow Removal | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.11.9.2 Cumulative Road Maintenance and Snow Removal | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.12.1 Alterations of Views from Highways | LTS | LTS | = | LTS | = | LTS | = | |
| Impact 4.12.2 Alteration of Public and Private Views | SU | SU | > | SU | < | SU | < | |
| Impact 4.12.3 Daytime Glare | SUM | SUM | = | SUM | = | SUM | = | |
| Impact 4.12.4 Increased Nighttime Lighting | SU | SU | > | SU | > | SU | < | |
| Impact 4.12.5 Cumulative Visual Impacts | CSU | CSU | > | CSU | < | CSU | < | |

LTS = Less than Significant
SUM = Significant Unless Mitigated
SU = Significant and Unavoidable
CSU = Cumulative Significant Unavoidable
CSUM = Cumulative Significant Unless Mitigated

< - Alternative's impact is better than the Proposed Land Use Diagram
> - Alternative's impact is worse than the Proposed Land Use Diagram
= - Alternative's impact is equivalent to the Proposed Land Use Diagram